

Title (en)
Method of manufacturing microwave circulator

Title (de)
Herstellungsverfahren eines Mikrowellenzirkulators

Title (fr)
Procédé de fabrication d'un circulateur hyperfréquence

Publication
EP 0675561 B1 20000607 (EN)

Application
EP 95400698 A 19950329

Priority
JP 8526594 A 19940401

Abstract (en)
[origin: EP0675561A1] A method of manufacturing a circulator includes the steps of forming, on at least one sheet (41,42) of an insulating ferromagnetic material, dummy inner conductors (44a, 44b, 44c, 45a, 45b, 45c) made of a material which is thermally decomposed at a temperature equal to or less than a sintering completion temperature of the insulating ferromagnetic material, laminating a plurality of the sheets (40, 41, 42) of the insulating ferromagnetic material so that at least one insulating ferromagnetic material sheet (40, 41) covers the dummy inner conductors formed on the sheets (41, 42), firing the laminated insulating ferromagnetic material sheets (40, 41, 42) to form an insulating ferromagnetic material body (46) in a single continuous body and to form ducts (47) for inner conductors at portions occupied by the dummy inner conductors, injecting with pressure conductive paste into the ducts (47) in the insulating ferromagnetic material body (46), and firing the insulating ferromagnetic material body (46) to form the inner conductors (48) in the insulating ferromagnetic body (46). <IMAGE>

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Cited by
US6107895A; EP0800231A3; CN100375331C; EP1211748A1; EP0821426A1; GB2382472A; GB2382472B; US6646608B2; US6317010B1; WO2004055936A1

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